

Ecography

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Supplementary material

Appendix 1. Plant species list on 18 islands in Stockholm archipelago, Sweden.

Plant Family	Plant Species	Reference islands								Abandoned cormorant Islands			Active cormorant islands						
		FA	NO	AG	VM	LJ	HA	SN	MJ	SH	ST	KA	MA	NS	SS	NR	SR	BG	AL
Aceraceae	<i>Acer plantanoides</i> L.	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Alliaceae	<i>Alium scorodoprasum</i> L.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Allium schoenoprasum</i> L.	0	1	1	0	1	0	0	1	1	1	0	0	0	0	0	1	0	0
Apiaceae	<i>Angelica archangelica</i> ssp. <i>litoralis</i> (FR.) Thell.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
	<i>Anthriscus sylvestris</i> (L.) Hoffm.	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1
	<i>Heracleum mantegazzianum</i> Sommer & Levier	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Asteraceae	<i>Achillea millefolium</i> L. ssp. <i>millefolium</i>	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Artemisia absinthium</i> L.	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1
	<i>Artemisia vulgaris</i> L.	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0
	<i>Tripolium vulgare</i> Besler ex Nees	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Centaurea jacea</i> L.	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
	<i>Cirsium arvense</i> (L.) Scop.	1	1	0	0	0	1	0	1	1	0	1	1	0	0	0	1	1	1
	<i>Cirsium vulgare</i> (Savi) Ten.	1	1	1	0	0	0	0	1	1	1	0	1	0	0	1	0	0	1
	<i>Matricaria matricarioides</i> Porter ex Britton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Senecio vulgaris</i> L.	0	0	0	1	0	1	1	0	1	1	0	0	0	1	1	0	1	1
	<i>Sonchus arvensis</i> L.	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0
	<i>Tanacetum vulgare</i> L.	1	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	1
	<i>Tripleurospermum maritimum</i> ssp. <i>maritimum</i>	0	0	0	1	0	0	0	0	1	1	1	0	0	1	0	1	1	0
	<i>Tripleurospermum perforatum</i> (Mérat) Lafnz	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	<i>Tussilago farfara</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Berberidaceae	<i>Berberis vulgaris</i> L.	1	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0
Betulaceae	<i>Alnus glutinosa</i> (L.) Gaertn.	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
	<i>Betula pendula</i> Roth	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	1	0
Boraginaceae	<i>Myosotis ramosissima</i> Rochel	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0
	<i>Myosotis scorpioides</i> L.	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0

	<i>Myosotis stricta</i> Link ex Roem. & Schult.	1	1	0	1	1	0	0	1	1	1	0	0	0	0	0	0	1	0
Brassicaceae	<i>Arabidopsis thaliana</i> (L.) Heynh.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Arabis glabra</i> (L.) Bernh.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Arabis hirsuta</i> (L.) Scop.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Barbarea stricta</i> Andrz.	0	1	0	1	0	0	0	0	1	1	0	0	0	0	1	1	0	1
	<i>Capsella bursa-pastoris</i> (L.) Medik.	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0
	<i>Cardamine flexuosa</i> With.	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0
	<i>Cochlearia danica</i> L.	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Erysimum cheiranthoides</i> L.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Isatis tinctoria</i> L.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Thlaspi arvense</i> L.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Caprifoliaceae	<i>Lonicera xylosteum</i> L.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Sambucus racemosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
Caryophyllaceae	<i>Sagina procumbens</i> L.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	<i>Silene dioica</i> (L.) Clairv.	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Silene viscosa</i> (L.) Pers.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Spergula arvensis</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
	<i>Stellaria graminea</i> L.	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0
Chenopodiaceae	<i>Atriplex</i> spp.	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
	<i>Chenopodium album</i> L.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Convallariaceae	<i>Convallaria majalis</i> L.	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	<i>Maianthemum bifolium</i> (L.) F. W. Schmidt	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Polygonatum odoratum</i> (Mill.) Druce	1	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	1
Crassulaceae	<i>Sedum acre</i> L.	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	0
	<i>Sedum telephium</i> ssp. <i>maximum</i> (L.) Krock	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0
Cupressaceae	<i>Juniperus communis</i> L.	0	1	1	1	1	1	0	1	1	0	0	1	0	0	0	0	1	1
Cyperaceae	<i>Carex distans</i> L.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Carex nigra</i> (L.) Reichard	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	<i>Carex spicata</i> Huds.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Schoenoplectus maritimus</i> (L.) Lye	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Equisetaceae	<i>Equisetum pratense</i> Ehrh.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Ericaceae	<i>Vaccinium myrtillus</i> L.	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Fabaceae	<i>Trifolium pratense</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Vicia cracca</i> L.	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0
	<i>Quercus</i> spp.	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0
Fumariaceae	<i>Corydalis solida</i> (L.) Clairv. ssp. <i>soilda</i>	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
Gentianaceae	<i>Centaurium littorale</i> (Turner) Gilmour	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Geraniaceae	<i>Geranium columbinum</i> L.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Geranium robertianum</i> L.	1	1	0	1	0	1	1	1	1	0	1	0	1	1	1	1	0
	<i>Geranium sanguineum</i> L.	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	<i>Geranium sylvaticum</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Grossulariaceae	<i>Ribes alpinum</i> L.	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
	<i>Ribes nigrum</i> L.	1	1	1	0	0	0	0	1	1	1	0	0	0	0	1	0	1
Hypericaceae	<i>Hypericum perforatum</i> L.	0	1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	1
Juncaceae	<i>Juncus gerardii</i> Loisel	1	1	1	1	1	0	1	0	0	0	1	1	1	0	0	0	1
Lamiaceae	<i>Galeopsis speciosa</i> Mill.	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	1	1
	<i>Galeopsis tetrahit</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Glechoma hederacea</i> L.	1	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0
	<i>Origanum vulgare</i> L.	0	1	1	1	1	0	0	1	1	0	0	0	0	0	1	1	1
	<i>Scutellaria galericulata</i> L.	1	1	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0
	<i>Scutellaria hastifolia</i> L.	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Stachys palustris</i> L.	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0
	<i>Stachys sylvatica</i> L.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liliaceae	<i>Gagea lutea</i> (L.) Ker Gawl.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
Lythraceae	<i>Lythrum salicaria</i> L.	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1
Oleaceae	<i>Fraxinus excelsior</i> L.	1	0	0	1	1	1	0	1	0	0	1	0	0	1	0	1	0
Onagraceae	<i>Epilobium adenocaulon</i> Hausskn.	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
	<i>Epilobium angustifolium</i> L.	0	1	1	1	1	0	0	1	1	0	1	0	1	0	1	1	1
	<i>Epilobium ciliatum</i> Raf.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ophioglossaceae	<i>Ophioglossum vulgatum</i> L.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchidaceae	<i>Dactylorhiza sambucina</i> (L.) Soó	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	<i>Platanthera bifolia</i> (L.) L.C.Rich.	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0

Pinaceae	<i>Picea abies</i> ssp. <i>abies</i>	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0
	<i>Pinus sylvestris</i> L.	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	0	0	0
Plantaginaceae	<i>Plantago major</i> L.	1	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0
Poaceae	<i>Agrostis capillaris</i> L.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
	<i>Agrostis stolonifera</i> L.	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0
	<i>Anthoxanthum odoratum</i> L.	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Arrhenatherum elatius</i> (L.) P.Beauv.	1	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
	<i>Calamagrostis epigejos</i> (L.) Roth	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Deschampsia bottnica</i> (Wahlenb.) Trin.	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Deschampsia flexuosa</i> (L.) Trin.	0	1	1	1	1	0	1	1	1	1	0	0	0	1	0	1	1	0
	<i>Eleocharis palustris</i> (L.) Roem. & Schult.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Elymus caninus</i> (L.) L.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Elytrigia repens</i> (L.) Desv. ex Nevski	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0
	<i>Festuca arundinacea</i> Schreb.	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Festuca ovina</i> L.	0	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0
	<i>Festuca pratensis</i> Huds.	1	1	0	0	1	1	1	1	1	0	1	1	0	1	0	1	1	1
	<i>Festuca rubra</i> L.	0	1	1	1	0	0	0	0	1	1	1	0	0	0	1	0	0	0
	<i>Leymus arenarius</i> (L.) Hochst.	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Melica nutans</i> L.	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Molinia caerulea</i> (L.) Moench	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Phalaris arundinacea</i> L.	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	1	0	1	0	0	1	0	1	0	0	0	1	1	1	0	1	1	1
	<i>Poa annua</i> L.	0	1	1	1	0	0	0	0	1	1	0	0	0	1	0	1	0	0
<i>Poa nemoralis</i> L.	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
<i>Poa pratensis</i> L.	0	1	1	0	0	0	1	0	1	0	1	0	1	1	0	0	1	0	
Polygonaceae	<i>Fallopia convolvulus</i> (L.) A. Löve	0	0	0	0	1	0	0	0	0	0	1	1	0	1	1	1	1	0
	<i>Polygonum aviculare</i> L.	0	1	0	0	0	0	0	0	1	1	1	1	0	1	0	0	1	0
	<i>Rumex acetosa</i> var. <i>acetosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Rumex acetosella</i> ssp. <i>tenuifolius</i> (Wallr.) O. Schw.	0	1	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0
	<i>Rumex crispus</i> L.	0	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1
<i>Dryopteris filix-mas</i> (L.) Schott	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	0	

	<i>Polypodium vulgare</i> L.	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0
Primulaceae	<i>Glaux maritima</i> L.	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1
	<i>Lysimachia vulgaris</i> L.	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0
	<i>Primula veris</i> L.	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Ranunculaceae	<i>Anemone nemorosa</i> L.	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	<i>Caltha palustris</i> ssp. <i>palustris</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Thalictrum simplex</i> ssp. <i>simplex</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Rosaceae	<i>Agrimonia procera</i> Wallr.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
	<i>Crataegus rhipidophylla</i> var. <i>rhipidophylla</i>	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Filipendula ulmaria</i> (L.) Maxim.	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1
	<i>Fragaria vesca</i> L.	1	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
	<i>Geum rivale</i> L.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Argentina anserina</i> (L.) Rydb.	1	1	1	0	0	1	0	1	1	1	0	1	0	0	0	0	1	0
	<i>Potentilla argentea</i> L.	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0
	<i>Prunus avium</i> (L.) L.	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1
	<i>Prunus padus</i> ssp. <i>padus</i>	0	0	0	0	1	1	0	1	0	0	1	0	0	0	1	0	0	0
	<i>Prunus spinosa</i> L.	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
	<i>Rosa canina</i> L.	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1
	<i>Rubus caesius</i> L.	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
	<i>Rubus idaeus</i> L.	1	1	1	1	1	0	1	1	1	1	1	0	1	0	1	0	1	1
	<i>Rubus saxatilis</i> L.	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Sorbus aucuparia</i> L.	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0	1	1
Rubiaceae	<i>Galium palustre</i> L.	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	1	0
	<i>Galium uliginosum</i> L.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Galium verum</i> L.	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
Saliaceae	<i>Populus tremula</i> L.	0	0	1	0	1	0	1	1	0	0	0	0	0	1	0	1	0	1
	<i>Salix caprea</i> L.	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Scrophulariaceae	<i>Linaria vulgaris</i> Mill.	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	<i>Melampyrum sylvaticum</i> L.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Prunella vulgaris</i> L.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Rhinanthus minor</i> L.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

	<i>Rhinanthus serotinus</i> (Schönh.) Oborny	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	
	<i>Scrophularia nodosa</i> L.	0	0	1	0	1	0	1	1	0	0	0	0	1	0	1	1	1	0
	<i>Verbascum thapsus</i> L.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0
	<i>Veronica chamaedrys</i> L.	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0
	<i>Veronica longifolia</i> L.	1	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	0
	<i>Veronica spicata</i> L.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Veronica verna</i> L.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Taxaceae	<i>Taxus baccata</i> L.	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0
Thymelaeaceae	<i>Daphne mezereum</i> L.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticaceae	<i>Urtica dioica</i> L.	1	1	0	0	1	0	0	0	1	1	0	1	0	1	1	1	1	0
Valerianaceae	<i>Valeriana sambucifolia</i> ssp. <i>salina</i>	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1
Violaceae	<i>Viola arvensis</i> Murray	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Viola riviniana</i> Rchb.	1	0	1	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0
	<i>Viola tricolor</i> L.	0	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	0
Total species number		64	61	53	35	62	53	47	66	60	43	42	37	25	36	43	46	54	34

Appendix 2. Species list of Coleoptera collected with suction sampling on 19 islands in the archipelago of Stockholm, Sweden.

Family	Species	Reference islands								Abandoned cormorant island			Active cormorant islands						
		FA	HA	LJ	MJ	NO	OS	SN	VM	KA	SH	ST	BG	DE	LR	LS	MA	SR	SS
Anthicidae	<i>Anthicus ater</i> (Panzer, 1796)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Carabidae	<i>Amara aenea</i> (De Geer, 1774)	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	0	0	0
	<i>Amara convexior</i> Stephens, 1828	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0
	<i>Amara curta</i> Dejean, 1828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Amara ovata</i> (Fabricius, 1792)	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Bembidion lampros</i> (Herbst, 1784)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Cyphon pubescens</i> (Fabricius, 1792)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<i>Paradromius linearis</i> (Olivier, 1795)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<i>Philorhizus notatus</i> (Stephens, 1827)	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	<i>Philorhizus sigma</i> (Rossi, 1790)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Dyschirius globosus</i> (Herbst, 1784)	2	0	0	4	2	14	3	3	8	1	4	4	0	2	0	0	0	0
	<i>Notiophilus aquaticus</i> (Linnaeus, 1758)	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Paradromius linearis</i> (Olivier, 1795)	0	1	0	2	0	4	0	7	2	1	2	2	1	0	0	1	0	0
	<i>Philorhizus notatus</i> (Stephens, 1827)	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	<i>Pterostichus niger</i> (Schaller, 1783)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Pterostichus strenuus</i> (Panzer, 1796)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	<i>Syntomus truncatellus</i> (Linnaeus, 1761)	0	0	0	0	0	0	0	0	14	0	1	0	0	0	0	1	0	0
	Chrysomelidae	<i>Agelastica alni</i> (Linnaeus, 1758)	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Altica oleracea</i> (Linnaeus, 1758)		0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	1	0	0
<i>Altica palustris</i> (Weise, 1888)		0	0	0	0	3	0	0	0	0	0	9	2	0	0	0	0	0	0
<i>Aphthona euphorbiae</i> (Schrank, 1781)		0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Aphthona lutescens</i> (Gyllenhal, 1813)		2	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
<i>Batophila rubi</i> (Paykull, 1799)		0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Bromius obscurus</i> (Linnaeus, 1758)		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

	<i>Cassida nobilis</i> Linnaeus, 1758	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	<i>Cassida vibex</i> Linnaeus, 1767	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Chaetocnema concinna</i> (Marsham, 1802)	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0
	<i>Chaetocnema hortensis</i> (Geoffroy, 1785)	0	0	1	3	0	0	0	1	0	0	0	2	2	0	0	0	0	0
	<i>Chaetocnema picipes</i> Stephens, 1831	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0
	<i>Chaetocnema sahlbergii</i> (Gyllenhal, 1827)	3	0	6	8	0	2	1	0	0	0	4	0	0	0	0	0	0	0
	<i>Galeruca tanacetii</i> (Linnaeus, 1758)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Galerucella calmariensis</i> (Linnaeus, 1767)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	<i>Galerucella lineola</i> (Fabricius, 1781)	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Galerucella tenella</i> (Linnaeus, 1761)	6	4	2	3	0	0	0	0	1	5	0	2	0	0	0	0	0	0
	<i>Gastrophysa polygoni</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Longitarsus ganglbaueri</i> Heikertinger, 1912	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	0
	<i>Longitarsus longiseta</i> Weise, 1889	0	0	0	14	2	0	4	104	0	3	3	0	0	9	0	0	0	0
	<i>Longitarsus luridus</i> (Scopoli, 1763)	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Longitarsus melanocephalus</i> (De Geer, 1775)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Longitarsus succineus</i> (Foudras, 1860)	0	0	0	2	0	0	0	2	0	0	1	3	2	3	0	0	0	0
	<i>Lythraia salicariae</i> (Paykull, 1800)	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Mantura chrysanthemi</i> (Koch, 1803)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Phyllotreta undulata</i> Kutschera, 1860	0	0	0	0	0	0	1	2	0	5	0	0	0	0	0	0	0	0
	<i>Psylliodes picinus</i> (Marsham, 1802)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Coccinelidae	<i>Adalia bipunctata</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	2	0
	<i>Coccidula rufa</i> (Herbst, 1783)	0	0	0	0	0	1	0	0	2	2	0	2	0	0	0	2	0	0
	<i>Coccinella quinquepunctata</i> Linnaeus, 1758	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Coccinella septempunctata</i> Linnaeus, 1758	0	0	0	0	0	0	0	0	0	0	1	2	3	18	2	1	10	0
	<i>Coccinella undecimpunctata</i> Linnaeus, 1758	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<i>Propylea quatuordecimpunctata</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	<i>Cynegetis impunctata</i> (Linnaeus, 1767)	5	0	1	1	0	0	0	0	4	1	0	0	0	0	0	2	0	0
	<i>Exochomus quadripustulatus</i> (Linnaeus, 1758)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Nephus redtenbacheri</i> (Mulsant, 1846)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Platynaspis luteorubra</i> (Goeze, 1777)	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
	<i>Propylea quatuordecimpunctata</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	4	11	1

	<i>Psyllobora vigintiduopunctata</i> (Linnaeus, 1758)	0	0	0	0	0	2	0	0	0	0	0	3	1	0	0	0	0	0
	<i>Scymnus suturalis</i> Thunberg, 1795	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Subcoccinella vigintiquatuorpunctata</i> (Linnaeus, 1758)	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Tythaspis sedecimpunctata</i> (Linnaeus, 1761)	0	0	2	1	0	0	0	0	0	1	0	5	0	0	0	0	0	7
Corylophidae	<i>Orthoperus brunnipes</i> (Gyllenhal, 1808)	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
	<i>Orthoperus rogeri</i> Kraatz, 1874	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Cryptophagidae	<i>Atomaria diluta</i> Erichson, 1846	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Atomaria nitidula</i> (Marsham, 1802)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Atomaria rubella</i> Heer, 1841	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	<i>Atomaria pusilla</i> (Paykull, 1798)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Cryptophagus laticollis</i> Lucas, 1846	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	<i>Cryptophagus pilosus</i> Gyllenhal, 1827	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	<i>Cryptophagus setulosus</i> Sturm, 1845	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cucujidae	<i>Ahasverus advena</i> (Waltl, 1834)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Curculionidae	<i>Amalus scortillum</i> (Herbst, 1795)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Anthonomus rubi</i> (Herbst, 1795)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0
	<i>Apion curtirostre</i> Germar, 1817	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0
	<i>Apion haematodes</i> Kirby, 1808	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0
	<i>Apion hookerorum</i> Kirby, 1808	0	0	0	2	0	0	0	6	1	15	49	2	0	0	0	0	0	0
	<i>Apion marchicum</i> Herbst, 1797	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Apion rubiginosum</i> Grill, 1893	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Apion seniculus</i> Kirby, 1808	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Apion spencii</i> Kirby, 1808	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Apion subulatum</i> Kirby, 1808	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0
	<i>Apion viciae</i> (Paykull, 1800)	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Apion violaceum</i> Kirby, 1808	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Bagous diglyptus</i> Boheman, 1845	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Brachysomus echinatus</i> (Bonsdorff, 1785)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Cionus tuberculatus</i> (Scopoli, 1763)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Hylobius transversovittatus</i> (Goeze, 1777)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
	<i>Hypera rumicis</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

	<i>Hypera suspiciosa</i> (Herbst, 1795)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Nanophyes circumscriptus</i> Aubé, 1864	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
	<i>Nanophyes marmoratus</i> (Goeze, 1777)	1	0	2	0	0	0	9	0	0	11	0	3	0	0	0	0	0
	<i>Otiorhynchus desertus</i> Rosenhauer, 1847	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0
	<i>Otiorhynchus ovatus</i> (Linnaeus, 1758)	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
	<i>Rhinoncus castor</i> (Fabricius, 1792)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Rhinoncus pericarpus</i> (Linnaeus, 1758)	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0
	<i>Rhinusa antirrhini</i> (Paykull, 1800)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Sciaphilus asperatus</i> (Bonsdorff, 1785)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Sitona lineellus</i> (Bonsdorff, 1785)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Sitona suturalis</i> Stephens, 1831	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	<i>Trachyphloeus bifoveolatus</i> (Beck, 1817)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dermestidae	<i>Dermestes szekessyi</i> Kalik, 1950	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Dryopidae	<i>Dryops ernesti</i> Des Gozis, 1886	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Elanteridae	<i>Agriotes obscurus</i> (Linnaeus, 1758)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Zorochochroa minimus</i> (Lacordaire, 1835)	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Halipidae	<i>Halipilus immaculatus</i> Gerhardt, 1877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydraenidae	<i>Atheta fungi</i> (Gravenhorst, 1806)	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1
Hydrophilidae	<i>Cercyon analis</i> (Paykull, 1798)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<i>Chaetarthria seminulum</i> (Herbst, 1797)	15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Megasternum concinnum</i> (Marsham, 1802)	0	0	0	0	3	0	0	0	0	0	0	2	0	0	0	0	0
Kateretidae	<i>Brachypterus urticae</i> (Fabricius, 1792)	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
Lathridiidae	<i>Corticaria impressa</i> (Olivier, 1790)	2	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0
	<i>Corticaria serrata</i> (Paykull, 1798)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Corticarina fuscula</i> (Gyllenhal, 1827)	1	0	0	1	0	0	1	1	3	3	1	1	3	1	0	0	1
	<i>Corticaria gibbosa</i> (Herbst, 1793)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0
	<i>Enicmus histrio</i> Joy & Tomlin, 1910	0	0	0	0	0	0	0	0	1	0	2	0	0	3	0	0	0
	<i>Enicmus transversus</i> (Olivier, 1790)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Leioididae	<i>Amphicyllis globiformis</i> (Sahlberg, 1833)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Melyridae	<i>Charopus graminicola</i> (Dejean, 1833)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Monotomidae	<i>Rhizophagus dispar</i> (Paykull, 1800)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Mycetophagidae	<i>Typhaea stercorea</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Nititulidae	<i>Epuraea limbata</i> (Fabricius, 1787)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Omosita colon</i> (Linnaeus, 1758)	0	0	0	0	0	1	0	0	0	0	0	0	28	21	3	0	18	25
Phalacridae	<i>Olibrus aeneus</i> (Fabricius, 1792)	0	0	0	0	0	2	0	23	0	0	13	4	0	0	0	0	1	0
	<i>Phalacrus nigrinus</i> (Marsham, 1802)	0	0	0	0	0	0	0	0	0	1	0	0	8	0	0	0	0	0
Scarabeidae	<i>Serica brunnea</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Staphilinidae	<i>Anaulacaspis nigra</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Anotylus rugosus</i> (Fabricius, 1775)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Bisnius sordidus</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	6	2
	<i>Carpelimus elongatulus</i> (Erichson, 1839)	3	0	0	0	1	0	0	0	0	0	6	0	0	0	0	0	0	0
	<i>Carpelimus foveolatus</i> (Sahlberg, 1832)	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	1	0	0
	<i>Drusilla canaliculata</i> (Fabricius, 1787)	0	0	0	3	1	0	0	2	1	1	0	1	0	1	0	11	0	0
	<i>Falagria sulcatula</i> (Gravenhorst, 1806)	1	0	0	1	3	0	0	1	0	6	0	0	0	0	0	0	0	0
	<i>Gabrius trossulus</i> (Nordmann, 1837)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Oxypoda haemorrhoea</i> (Mannerheim, 1830)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<i>Paederus fuscipes</i> Curtis, 1826	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	<i>Bisnius nigriventris</i> (Thomson, 1867)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Philonthus politus</i> (Linnaeus, 1758)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	<i>Quedius boops</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	<i>Quedius fulvicollis</i> (Stephens, 1833)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Stenus geniculatus</i> Gravenhorst, 1806	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Stenus clavicornis</i> (Scopoli, 1763)	0	0	0	3	0	1	1	0	1	0	0	0	0	0	0	1	1	0
	<i>Stenus melanarius</i> Stephens, 1833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Stenus nitens</i> Stephens, 1833	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Stenus opticus</i> Gravenhorst, 1806	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Stenus pumilio</i> Erichson, 1839	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
<i>Stenus junco</i> (Paykull, 1789)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Tachyporus nitidulus</i> (Fabricius, 1781)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
<i>Tasgius ater</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
<i>Thinodromus arcuatus</i> (Stephens, 1834)	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	
Tenebrinoidae	<i>Lagria hirta</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	

Scaphidema metallicum (Fabricius, 1793)

0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0

Appendix 3. Species list of Coleoptera collected with pitfall traps on 14 islands in the archipelago of Stockholm, Sweden.

Familie	Species	Reference islands						AB islands		Active cormorant islands					
		AG	FA	HA	LN	MJ	SN	SH	ST	BG	MA	NR	NS	SR	SS
Anaspidae	<i>Anaspis frontalis</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Anobiidae	<i>Dryophilus pusillus</i> (Gyllenhal, 1808)	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Ptinus rufipes</i> Olivier, 1790	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Anthicidae	<i>Anthicus flavipes</i> (Panzer, 1797)	0	0	4	0	0	0	0	0	0	21	1	0	0	1
	<i>Anthicus ater</i> (Panzer, 1796)	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Aspidiphoridae	<i>Aspidiphorus orbiculatus</i> (Gyllenhal, 1808)	2	0	1	0	0	0	0	2	0	0	1	1	0	0
Attelabidae	<i>Rhynchites cupreus</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Brachypteridae	<i>Brachypterus urticae</i> (Fabricius, 1792)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Byrrhidae	<i>Cytilus sericeus</i> (Forster, 1771)	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Cantharidae	<i>Cantharis figurata</i> Mannerheim, 1843	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	<i>Cantharis obscura</i> Linnaeus, 1758	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Malthodes minimus</i> (Linnaeus, 1758)	0	0	1	0	0	3	0	0	0	0	0	0	0	0
Carabidae	<i>Agonum fuliginosum</i> (Panzer, 1809)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Amara aenea</i> (De Geer, 1774)	0	0	0	0	2	0	2	0	1	0	0	0	0	0
	<i>Amara aulica</i> (Panzer, 1796)	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<i>Amara communis</i> (Panzer, 1797)	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	<i>Amara cursitans</i> (Zimmermann, 1832)	0	0	0	0	2	0	0	0	0	0	0	0	1	0
	<i>Amara ovata</i> (Fabricius, 1792)	0	1	0	0	1	0	1	0	2	0	0	0	0	0
	<i>Anisodactylus binotatus</i> (Fabricius, 1787)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Badister bullatus</i> (Schrank, 1798)	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	<i>Bembidion bipunctatum</i> (Linnaeus, 1761)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Bembidion lampros</i> (Herbst, 1784)	0	0	0	0	1	0	0	0	0	0	0	2	0	0
	<i>Bradycellus caucasicus</i> (Chaudoir, 1846)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Carabus nemoralis</i> Müller, 1764	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Dyschirius globosus</i> (Herbst, 1784)	10	19	2	0	8	0	2	24	49	9	4	0	12	0
	<i>Harpalus affinis</i> (Schrank, 1781)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Harpalus latus</i> (Linnaeus, 1758)	0	0	0	0	1	0	1	1	2	0	2	0	0	0

	<i>Leistus ferrugineus</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Nebria brevicollis</i> (Fabricius, 1792)	0	1	0	0	0	0	1	0	9	0	1	0	1	0
	<i>Notiophilus aestuans</i> Dejean, 1826	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	<i>Notiophilus biguttatus</i> (Fabricius, 1779)	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	<i>Ophonus rufibarbis</i> (Fabricius, 1792)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Paradromius linearis</i> (Olivier, 1795)	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Prosternon tessellatum</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Pterostichus diligens</i> (Sturm, 1824)	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Pterostichus melanarius</i> (Illiger, 1798)	0	2	0	0	8	0	3	0	0	0	0	0	0	0
	<i>Pterostichus niger</i> (Schaller, 1783)	0	5	0	0	1	1	1	1	1	0	0	0	0	0
	<i>Pterostichus oblongopunctatus</i> (Fabricius, 1787)	0	0	2	0	5	0	0	0	0	0	0	1	0	1
	<i>Pterostichus strenuus</i> (Panzer, 1796)	0	0	0	0	0	0	0	1	3	2	1	0	0	0
	<i>Syntomus truncatellus</i> (Linnaeus, 1761)	0	0	0	0	2	0	0	0	0	1	0	0	0	0
	<i>Trechus secalis</i> (Paykull, 1790)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Chrysomelidae	<i>Aphthona lutescens</i> (Gyllenhal, 1813)	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Chaetocnema concinna</i> (Marsham, 1802)	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	<i>Chaetocnema hortensis</i> (Geoffroy, 1785)	5	1	1	0	2	0	8	5	4	0	0	0	0	3
	<i>Chaetocnema picipes</i> Stephens, 1831	0	0	0	0	0	0	0	0	0	1	1	3	0	1
	<i>Chaetocnema sahlbergii</i> (Gyllenhal, 1827)	2	10	2	0	8	0	10	0	8	2	0	0	0	0
	<i>Galerucella lineola</i> (Fabricius, 1781)	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Galerucella tenella</i> (Linnaeus, 1761)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Gastrophysa polygona</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Lilioceris merdigera</i> (Linnaeus, 1758)	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Longitarsus ganglbaueri</i> Heikertinger, 1912	0	0	0	0	0	0	0	3	0	0	0	0	2	0
	<i>Longitarsus longiseta</i> Weise, 1889	0	0	0	0	0	0	0	2	2	0	0	0	0	0
	<i>Longitarsus luridus</i> (Scopoli, 1763)	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<i>Longitarsus melanocephalus</i> (De Geer, 1775)	0	1	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Longitarsus nasturtii</i> (Fabricius, 1792)	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Longitarsus longiseta</i> Weise, 1889	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Lythraia salicariae</i> (Paykull, 1800)	1	0	0	0	0	0	0	0	0	0	3	0	0	0
	<i>Phyllotreta undulata</i> Kutschera, 1860	0	0	0	0	0	0	0	0	0	0	1	0	0	0

	<i>Strophosoma capitatum</i> (De Geer, 1775)	0	1	4	4	0	8	0	0	0	0	1	0	0	0
	<i>Thamiocolus viduatus</i> (Gyllenhal, 1813)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Trachodes hispidus</i> (Linnaeus, 1758)	0	1	0	1	0	0	0	0	0	0	0	0	0	0
	<i>Trachyphloeus aristatus</i> (Gyllenhal, 1827)	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	<i>Tychius picirostris</i> (Fabricius, 1787)	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Dermestidae	<i>Dermestes lardarius</i> Linnaeus, 1758	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<i>Dermestes szekessyi</i> Kalik, 1950	9	0	0	0	2	0	2	0	1	0	0	0	0	0
Dryopidae	<i>Dryops ernesti</i> Des Gozis, 1886	2	0	1	0	0	0	0	1	0	1	0	0	0	0
Elateridae	<i>Agriotes lineatus</i> (Linnaeus, 1767)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<i>Agriotes obscurus</i> (Linnaeus, 1758)	0	5	1	2	3	2	0	0	0	1	0	0	0	0
	<i>Agriotes sputator</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Athous haemorrhoidalis</i> (Fabricius, 1801)	0	0	0	1	0	2	0	0	0	0	0	0	0	0
	<i>Athous subfuscus</i> (Müller, 1764)	0	1	2	0	0	1	0	0	0	0	0	0	0	0
	<i>Dalopius marginatus</i> (Linnaeus, 1758)	0	0	0	1	0	1	0	0	0	0	1	0	0	0
	<i>Melanotus villosus</i> (Geoffroy, 1785)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<i>Prosternon tessellatum</i> (Linnaeus, 1758)	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	<i>Selatosomus aeneus</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	<i>Zorochochroa minimus</i> (Lacordaire, 1835)	0	0	1	0	1	0	0	0	0	7	0	0	0	0
Eucnemidae	<i>Microrhagus pygmaeus</i> (Fabricius, 1793)	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Georissidae	<i>Georissus crenulatus</i> (Rossi, 1794)	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Histeridae	<i>Gnathoncus nannetensis</i> (Marseul, 1862)	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	<i>Margarinotus brunneus</i> (Fabricius, 1775)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Hydrophilidae	<i>Cercyon analis</i> (Paykull, 1798)	0	0	0	0	0	0	0	0	3	1	1	0	0	0
	<i>Chaetarthria seminulum</i> (Herbst, 1797)	0	6	0	0	9	0	2	5	5	1	0	0	0	6
	<i>Cymbiodyta marginella</i> (Fabricius, 1792)	0	0	0	0	0	0	0	5	0	0	0	0	0	0
Latridiidae	<i>Atomaria pusilla</i> (Paykull, 1798)	0	0	0	0	0	0	0	0	4	0	0	0	0	0
	<i>Corticaria impressa</i> (Olivier, 1790)	0	3	0	0	1	0	1	8	8	0	0	0	0	2
	<i>Corticarina fuscula</i> (Gyllenhal, 1827)	2	0	1	0	0	0	8	4	2	3	0	1	2	1
	<i>Corticaria gibbosa</i> (Herbst, 1793)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Enicmus transversus</i> (Olivier, 1790)	0	4	0	0	1	0	0	5	47	4	19	2	1	0
Leioididae	<i>Ptomaphagus subvillosus</i> (Goeze, 1777)	0	0	0	0	0	0	0	0	0	0	4	0	15	0

Lygaeidae	<i>Eremocoris plebejus</i> (Fallén, 1807)	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Melyridae	<i>Charopus graminicola</i> (Dejean, 1833)	0	0	0	0	0	0	0	0	0	2	2	0	0	0
	<i>Cordylepherus viridis</i> (Fabricius, 1787)	5	0	0	0	0	0	0	3	0	0	0	0	0	0
	<i>Dasytes plumbeus</i> (Müller, 1776)	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	<i>Malachius bipustulatus</i> (Linnaeus, 1758)	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Rhizophagus parallelocollis</i> Gyllenhal, 1827	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Monotomidae	<i>Mordellistena pumila</i> (Gyllenhal, 1810)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mordellidae	<i>Mordellistena pumila</i> (Gyllenhal, 1810)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nitidulidae	<i>Eपुरaea limbata</i> (Fabricius, 1787)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Omosita colon</i> (Linnaeus, 1758)	0	0	1	0	0	0	0	0	0	2	29	24	0	12
Orthoperidae	<i>Orthoperus atomus</i> (Gyllenhal, 1808)	1	1	0	0	0	0	0	16	94	4	3	0	0	1
Ptiliidae	<i>Acrotrichis</i> spp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Ptenidium pusillum</i> (Gyllenhal, 1808)	0	0	3	0	8	0	0	1	21	2	12	8	15	55
	<i>Ptilium exaratum</i> (Allibert, 1844)	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Scydmaenidae	<i>Eutheia scydmaenoides</i> Stephens, 1830	0	0	0	0	0	0	0	0	0	0	0	1	4	0
Silphidae	<i>Phosphuga atrata</i> (Linnaeus, 1758)	0	0	2	0	0	1	0	0	0	0	0	0	0	0
	<i>Silpha tristis</i> Illiger, 1798	0	5	0	0	0	2	0	0	1	15	0	0	0	0
	<i>Thanatophilus rugosus</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Thanatophilus sinuatus</i> (Fabricius, 1775)	0	0	0	0	0	0	0	0	0	7	24	33	4	5
Staphylinidae	<i>Aleochara brevipennis</i> Gravenhorst, 1806	0	21	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Aleochara laevigata</i> Gyllenhal, 1810	0	0	0	0	0	0	0	0	0	4	0	0	0	0
	<i>Aleochara moerens</i> Gyllenhal, 1827	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	<i>Atheta</i> spp.	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	<i>Atheta amicula</i> (Stephens, 1832)	0	0	0	0	0	0	0	0	7	0	1	0	7	5
	<i>Atheta brunnea</i> (Fabricius, 1798)	1	0	3	0	0	0	0	0	0	0	0	0	0	0
	<i>Atheta nigritula</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<i>Calodera nigrita</i> Mannerheim, 1830	0	4	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Carpelimus foveolatus</i> (Sahlberg, 1832)	15	0	0	0	18	0	12	1	35	0	0	0	0	0
	<i>Cypha longicornis</i> (Paykull, 1800)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	<i>Drusilla canaliculata</i> (Fabricius, 1787)	5	21	0	7	7	1	24	3	39	12	15	0	1	0
	<i>Euaesthetus laeviusculus</i> Mannerheim, 1844	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Falagria sulcatula</i> (Gravenhorst, 1806)	63	29	71	0	74	0	0	57	12	9	2	0	6	0

<i>Gyrophypnus angustatus</i> Stephens, 1833	1	0	0	0	0	0	1	0	0	3	0	0	0	0
<i>Haploglossa villosula</i> (Stephens, 1832)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Ilyobates bennetti</i> Donisthorpe, 1914	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>Ischnopoda leucopus</i> (Marshall, 1802)	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Mycetoporus baudueri</i> Mulsant & Rey, 1875	0	0	0	0	0	0	0	0	0	0	0	2	0	1
<i>Ocalea picata</i> (Stephens, 1832)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tasgius ater</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Ocypus nitens</i> (Schrank, 1781)	0	1	0	0	0	0	0	0	0	1	0	0	0	0
<i>Oligota pusillima</i> (Gravenhorst, 1806)	0	0	3	0	0	0	0	0	0	0	0	0	7	1
<i>Othius lapidicola</i> Märkel & Kiesenwetter, 1848	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<i>Oxypoda haemorrhoea</i> (Mannerheim, 1830)	0	0	0	0	0	0	0	1	0	0	3	12	19	4
<i>Oxypoda soror</i> Thomson, 1855	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<i>Oxypoda</i> spp.	0	0	0	0	0	0	0	0	2	1	0	0	0	0
<i>Oxypoda spectabilis</i> Märkel, 1844	0	0	0	0	0	0	0	0	0	0	1	0	1	0
<i>Philonthus cognatus</i> Stephens, 1832	0	0	0	0	0	0	0	0	3	0	0	0	0	0
<i>Philonthus debilis</i> (Gravenhorst, 1802)	0	0	0	1	0	0	1	0	0	1	0	0	0	0
<i>Philonthus decorus</i> (Gravenhorst, 1802)	0	3	0	0	0	0	0	0	0	0	0	0	0	0
<i>Philonthus politus</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Bisnius sordidus</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	0	5	0	15	0	1
<i>Philonthus umbratilis</i> (Gravenhorst, 1802)	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<i>Proteinus laevigatus</i> Hochhuth, 1872	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Pselaphus heisei</i> Herbst, 1792	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Quedius fulvicollis</i> (Stephens, 1833)	3	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scaphisoma agaricinum</i> (Linnaeus, 1758)	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sepedophilus marshami</i> (Stephens, 1832)	0	0	0	0	0	0	0	0	4	0	0	0	0	0
<i>Stenus argus</i> Gravenhorst, 1806	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<i>Stenus boops</i> Ljungh, 1810	2	0	0	1	13	0	2	0	0	1	0	0	0	0
<i>Stenus clavicornis</i> (Scopoli, 1763)	0	0	0	0	1	0	0	0	0	2	0	0	0	0
<i>Stenichnus collaris</i> (Müller & Kunze, 1822)	1	0	0	1	0	0	0	1	0	0	0	0	1	4
<i>Tachyporus dispar</i> (Paykull, 1789)	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<i>Tachyporus hypnorum</i> (Fabricius, 1775)	0	0	0	0	0	0	0	0	1	0	0	1	0	0

	<i>Tachyporus nitidulus</i> (Fabricius, 1781)	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Trichiusa immigrata</i> Lohse, 1984	0	0	0	0	0	0	0	0	0	0	1	0	0
	<i>Xantholinus linearis</i> (Olivier, 1794)	0	0	0	0	0	0	0	0	1	0	0	0	0
	<i>Xantholinus tricolor</i> (Fabricius, 1787)	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Zyras humeralis</i> (Gravenhorst, 1802)	0	0	0	0	1	0	0	0	0	0	0	0	0
Tenebrionidae	<i>Pseudocistela ceramboides</i> (Linnaeus, 1758)	0	0	0	0	0	0	0	0	0	0	1	0	0
Throscidae	<i>Trixagus dermestoides</i> (Linnaeus, 1767)	0	1	7	2	2	0	1	0	0	0	0	0	0
Trogidae	<i>Trox scaber</i> (Linnaeus, 1767)	0	0	0	0	0	0	0	0	0	0	2	0	0

Appendix 4. Species list of Heteroptera collected with suction sampling on 19 islands in the archipelago of Stockholm, Sweden.

Species	Reference islands									Aband. cormorant islands			Active cormorant islands							
	AG	FA	HA	LJ	MJ	NO	OS	VM	KA	SH	ST	BG	DE	LR	LS	MA	NS	SR	SS	
Pentatomidae																				
<i>Eurydema oleracea</i> (Linnaeus, 1758)	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
<i>Neottiglossa pusilla</i> (Gmelin, 1790)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
<i>Palomena prasina</i> (Linnaeus, 1761)	0	0	2	1	0	3	0	0	5	0	0	0	0	0	0	0	11	0	0	
<i>Sciocoris homalonotus</i> Fieber, 1851	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lygaeidae																				
<i>Acompus rufipes</i> (Wolff, 1804)	0	0	3	0	3	0	9	0	0	0	0	0	0	0	0	0	1	1	0	
<i>Drymus brunneus</i> (R. F. Sahlberg, 1848)	0	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Drymus sylvaticus</i> (Fabricius, 1775)	0	0	0	0	0	0	2	1	0	7	15	0	0	0	0	0	0	3	0	
<i>Eremocoris plebejus</i> (Fallén, 1807)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
<i>Ischnocoris angustulus</i> (Boheman, 1852)	1	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	
<i>Ischnodemus sabuleti</i> (Fallén, 1826)	209	0	21	3	8	2	4	3	48	3	0	25	0	0	0	6	0	0	0	
<i>Kleidocerys resedae</i> (Panzer, 1797)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
<i>Nithecus jacobaeae</i> (Schilling, 1829)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	
<i>Nysius thymi</i> (Wolff, 1804)	0	0	0	0	0	0	0	2	0	2	0	0	0	1	6	0	0	5	0	
<i>Ortholomus punctipennis</i> (Herrich-Schaeffer, 1838)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
<i>Rhyparochromus pini</i> (Linnaeus, 1758)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Scolopostethus affinis</i> (Schilling, 1829)	0	0	0	0	0	1	0	0	10	4	10	2	0	3	0	0	0	54	0	
<i>Scolopostethus pictus</i> (Schilling, 1829)	0	1	1	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Scolopostethus thomsoni</i> Reuter, 1875	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	2	0	
<i>Stygnocoris fuliginus</i> (Geoffroy, 1785)	0	0	0	0	4	2	0	0	0	0	0	0	2	0	0	0	0	3	1	
<i>Stygnocoris pygmaeus</i> (R. F. Sahlberg, 1848)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Stygnocoris rusticus</i> (Fallén, 1807)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Stygnocoris sabulosus</i> (Schilling, 1829)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
<i>Trapezonotus arenarius</i> (Linnaeus, 1758)	0	0	2	0	0	0	2	0	0	1	0	1	0	2	0	0	0	0	0	
<i>Trapezonotus desertus</i> Seidenstücker, 1951	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Nabidae																				
<i>Himacerus mirmicoides</i> (O. Costa, 1834)	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<i>Nabis brevis</i> Scholtz, 1847	0	0	1	0	0	0	0	0	6	0	0	0	0	0	0	4	0	0	0	

Appendix 5. Species list of Aranaea collected with pitfall traps on 14 islands in the archipelago of Stockholm, Sweden.

Familie	Species	Reference islands						Ab. islands		Active cormorant islands					
		AG	FA	HA	LN	MJ	SN	SH	ST	BG	MA	NR	NS	SR	SS
Clubionidae	<i>Clubiona subsultans</i> Thorell, 1875	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Gnaphosidae	<i>Callilepis nocturna</i> (Linnaeus, 1758)	0	0	5	1	0	0	0	0	0	0	0	0	0	0
	<i>Drassodes cupreus</i> (Blackwall, 1834)	1	0	1	0	1	0	0	1	0	0	0	0	0	0
	<i>Drassodes pubescens</i> (Thorell, 1856)	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	<i>Drassyllus lutetianus</i> (L. Koch, 1866)	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Drassyllus praeficus</i> (L. Koch, 1866)	2	2	0	1	12	2	0	0	0	0	0	0	0	0
	<i>Gnaphosa bicolor</i> (Hahn, 1831)	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	<i>Haplodrassus signifer</i> (C. L. Koch, 1839)	0	0	1	1	2	0	0	0	0	0	0	0	0	0
	<i>Haplodrassus silvestris</i> (Blackwall, 1833)	0	0	2	0	1	0	0	0	0	0	0	0	0	0
	<i>Haplodrassus soerenseni</i> (Strand, 1900)	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	<i>Micaria pulicaria</i> (Sundevall, 1831)	4	0	2	1	0	1	0	8	1	0	1	1	3	0
	<i>Phaeoedus braccatus</i> (L. Koch, 1866)	2	0	0	0	1	0	1	1	0	0	0	0	0	0
	<i>Zelotes petrensis</i> (C. L. Koch, 1839)	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	<i>Zelotes subterraneus</i> (C. L. Koch, 1833)	0	1	1	0	4	0	0	0	0	0	0	0	0	0
Lycosidae	<i>Alopecosa pulverulenta</i> (Clerck, 1757)	12	0	7	4	3	1	1	0	0	0	0	0	0	
	<i>Arctosa leopardus</i> (Sundevall, 1833)	9	2	0	0	3	0	1	0	0	1	0	0	1	
	<i>Pardosa agrestis</i> (Westring, 1861)	12	0	0	0	4	0	1	1	3	9	1	0	4	
	<i>Pardosa agricola</i> (Thorell, 1856)	91	0	0	0	8	0	63	64	39	37	0	1	1	
	<i>Pardosa amentata</i> (Clerck, 1757)	2	65	1	1	2	1	1	0	2	73	0	0	0	
	<i>Pardosa fulvipes</i> (Collett, 1875)	1	3	0	0	3	0	1	0	5	15	2	0	1	
	<i>Pardosa lugubris</i> (Walckenaer, 1802)	0	13	3	2	40	1	0	1	0	0	0	0	0	
	<i>Pardosa monticola</i> (Clerck, 1757)	45	0	0	0	5	1	2	4	5	3	0	0	2	
	<i>Pardosa nigriceps</i> (Thorell, 1856)	0	0	0	0	1	0	0	0	0	0	0	0	0	
	<i>Pardosa palustris</i> (Linnaeus, 1758)	1	1	0	0	5	0	2	1	2	1	4	2	2	
	<i>Pardosa prativaga</i> (L. Koch, 1870)	17	8	5	0	21	0	4	8	17	20	12	6	2	
	<i>Pardosa pullata</i> (Clerck, 1757)	1	3	0	1	11	0	5	0	2	2	1	0	1	
	<i>Pirata piraticus</i> (Clerck, 1757)	0	1	0	0	0	0	0	0	0	1	0	0	0	

Appendix 6. Species list of Chironomidae collected on 12 islands in the archipelago of Stockholm, Sweden.

Families	Species	Reference islands					Ab. islands		Active cormroant islands				
		AG	FA	HA	MJ	SN	SH	ST	AL	BG	MA	SR	SS
Chironominae	<i>Chironomus aprilius</i> Meigen 1818	8	183	1	28	1	15	7	275	7	25	0	5
	<i>Chironomus plumosus</i> (Linnaeus 1758)	0	0	0	8	2	2	3	7	7	0	0	0
	<i>Dicrotendipes pulsus</i> (Walker 1856)	3	26	4	31	14	4	0	111	15	4	60	51
	<i>Microchironomus tener</i> (Kieffer 1918)	0	12	0	2	0	0	0	13	2	2	0	0
	<i>Microtendipes pedellus</i> (De Geer 1776)	22	12	0	22	1	26	0	214	3	3	0	0
	<i>Parachironomus arcuatus</i> (Goetghebuer 1919)	0	0	1	6	0	0	0	7	1	0	1	0
	<i>Paratanytarsus dissimilis</i> (Johannsen 1905)	13	47	21	30	30	10	0	0	16	9	59	384
	<i>Phaenopsectra flavipes</i> (Meigen 1818)	0	7	0	3	15	0	0	29	0	0	0	0
	<i>Polypedilum nubeculosum</i> (Meigen 1804)	1	31	0	4	0	0	0	72	2	0	0	0
	<i>Polypedilum scalaenum</i> (Schränk 1803)	6	10	4	0	4	16	24	243	0	14	0	0
	<i>Tanytarsus brundini</i> Lindeberg 1963	26	9	0	0	0	0	0	193	0	0	0	0
<i>Tanytarsus usmaensis</i> Pagast 1931	8	37	0	28	5	4	0	1312	9	4	0	2	
<i>Xenochironomus xenolabis</i> (Kieffer 1916)	0	0	0	4	0	0	0	13	2	0	0	0	
Orthocladiinae	<i>Bryophaenocladus scanicus</i> (Brundin 1947)	0	1	10	0	0	0	0	0	0	1	4	0
	<i>Cricotopus annulator</i> Goetghebuer 1927	0	3	0	0	1	0	0	0	0	0	0	0
	<i>Cricotopus bicinctus</i> (Meigen 1818)	2	67	14	0	9	1	1	2300	0	9	6	3
	<i>Cricotopus caducus</i> Hirvenoja 1973	2	54	0	1	1	0	0	622	25	1	0	0
	<i>Cricotopus flavocinctus</i> (Kieffer 1924)	0	0	0	0	1	0	0	0	0	0	0	0
	<i>Cricotopus intersectus</i> (Staeger 1839)	4	0	0	0	4	0	0	16	0	2	1	0
	<i>Cricotopus ornatus</i> (Meigen 1818)	0	0	0	0	0	0	0	0	1	1	0	0
	<i>Cricotopus sylvestris</i> (Fabricius 1794)	4	8	13	7	31	0	2	46	3	6	40	31
	<i>Halocladus variabilis</i> (Staeger 1839)	0	1	1	0	0	4	0	0	0	7	21	2
	<i>Linnophyes difficilis</i> Brundin 1947	0	21	0	0	2	0	0	7	0	0	1	0
	<i>Linnophyes minimus</i> (Meigen 1818)	0	0	1	2	0	0	0	0	0	0	0	0
	<i>Linnophyes pumilio</i> (Holmgren 1869)	1	0	0	0	5	0	0	7	0	0	0	0
	<i>Nanocladus dichromus</i> (Kieffer 1906)	0	0	0	0	4	0	0	0	0	0	0	0
	<i>Nanocladus rectinervis</i> (Kieffer 1911)	0	0	0	0	1	0	0	0	0	0	0	0

Appendix 7. One-way ANOVA of mean abundance (log-transformed), observed and estimated species richness of invertebrates on active and abandoned cormorant islands with reference islands in Stockholm archipelago, Sweden.

Taxa		Error df	F	p	adj. r ²
Coleoptera (Dvac)	Abundance	16	0.4	0.699	
	Ob. sp. rich.		1.9	0.183	
	Est. sp. rich.		1.7	0.218	
Herbivores	Abundance	16	6.2	0.010	36.7
	Ob. sp. rich.		2.0	0.162	
Fungivores	Abundance	16	2.8	0.090	16.7
	Ob. sp. rich.		6.7	0.008	38.7
Scavengers	Abundance	16	10.7	0.001	51.8
	Ob. sp. rich.		4.3	0.032	26.9
Predators	Abundance	16	1.9	0.184	
	Ob. sp. rich.		0.8	0.451	
Coleoptera (pitfall traps)	Abundance	11	1.9	0.198	
	Ob. sp. rich.		2.5	0.129	
	Est. sp. rich.		4.2	0.044	32.9
Herbivores	Abundance	11	3.0	0.093	23.3
	Ob. sp. rich.		2.7	0.109	
Fungivores	Abundance	11	9.9	0.003	57.9
	Ob. sp. rich.		6.9	0.011	47.7
Algaevore	Abundance	11	1.0	0.385	
	Ob. sp. rich.		2.8	0.101	
Scavengers	Abundance	11	5.1	0.027	38.7
	Ob. sp. rich.		7.4	0.009	49.5
Predators	Abundance*	11	0.2	0.823	
	Ob. sp. rich.		1.2	0.341	
Heteroptera (Dvac)	Abundance	16	0.6	0.552	
	Ob. sp. rich.		2.9	0.084	17.4
	Est. sp. rich.		2.1	0.154	
Herbivores	Abundance	16	1.4	0.173	
	Ob. sp. rich.		4.8	0.022	29.9

Predators	Abundance	16	1.3	0.303	
	Ob. sp. rich.		0.2	0.850	
Araneae	Abundance	11	2.5	0.130	
	Ob. sp. rich.		3.4	0.072	26.8
	Est. sp. rich.		4.4	0.039	34.6
Chironomidae	Abundance	9	1.4	0.305	
	Ob. sp. rich.		1.3	0.313	
	Est. sp. rich.		2.1	0.185	

*not log-transformed